ABSTRACT

In a high-frequency signal level detection apparatus for detecting an inputted signal level of a high-frequency signal, an AGC circuit 31 executes an automatic gain control on an intermediate frequency signal obtained by converting a frequency of a received high-frequency signal, using an RFAGC value for controlling a gain of the high-frequency signal and an IFAGC value for controlling a gain of the intermediate frequency signal based on the intermediate frequency signal so that an output level of the intermediate frequency signal is substantially constant. A controller 50 previously measures first relational data indicating an RFAGC value relative to the inputted signal level of the received high-frequency signal and second relational data indicating an IFAGC value relative to the inputted signal level of the received high-frequency signal, measures the RFAGC value and the IFAGC value when a high-frequency signal to be measured is received, and detects the inputted signal level of the received high-frequency signal using the measured first and second relational data based on the measured RFAGC value and IFAGC value.